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(54) Title: SURFACE TRANSFECTION AND EXPRESSION PROCEDURE

(57) Abstract: The present invention relates to a method of transfecting cells comprising applying cells directly onto nucleic acids which are immobilized in transfection complexes on a surface and which transfect the cells. Preferably, the nucleic acids are immobilized in an array. In another aspect of the present invention, the method further includes expression of the nucleic acids in the transfected cells. In yet another aspect of the present invention, the method further comprises detecting the expression of the nucleic acids in the transfected cells.



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## INTERNATIONAL SEARCH REPORT

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PCT/US 01/50426

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/00 C12N15/87 C12N15/88

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WAGNER E: "TRANSFERRIN-POLYCATION CONJUGATES AS CARRIERS FOR DNA UPTAKE INTO CELLS", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, VOL. 87, NR. 9, PAGE(S) 3410-3414 XP000368690 ISSN: 0027-8424	25-32, 38-42
Y	abstract page 3410, column 1, paragraph 1 -page 3411, column 1, paragraph 4 page 3414, column 2, paragraph 2 --- -/--	1-24, 34-37



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- \*G\* document member of the same patent family

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WAGNER E ET AL: "INFLUENZA VIRUS HEMAGGLUTININ HA-2 N-TERMINAL FUSOGENIC PEPTIDES AUGMENT GENE TRANSFER BY TRANSFERRIN-POLYLYSINE-DNA COMPLEXES: TOWARD A SYNTHETIC VIRUS-LIKE GENE-TRANSFER VEHICLE", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, VOL. 89, NR. 17, PAGE(S) 7934-7938 XP000371760 ISSN: 0027-8424	25-32, 38-42
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Y	abstract  column 3, paragraph 1 - paragraph 2 column 4, paragraph 3 column 5, paragraph 3 column 6, paragraph 2 - paragraph 3 column 7 column 9, paragraph 2 column 12, paragraph 6 -----	1-24, 34-37
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Information on patent family members

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